

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2017 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2017 - 4/12/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start		Rating **	A	Issue No.	<b>9</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0020_01_s _ 2013_9				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>10</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0020_01_s _ 2013_10				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>11</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0020_01_s _ 2013_11				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171577 °	39.171507 °
				-121.760019 °	-121.757773 °
DWR ID	DWR_NA0020_01_s_ _ 2012_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

View of the vegetation along the landside toe.

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171577 °	39.171475 °
				-121.760019 °	-121.754852 °
DWR ID	DWR_NA0020_01_s _ 2012_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation along the levee crown and waterside slope.					

A photograph showing a dirt road or path cutting through a field of tall, dry, brownish grass. The sky is bright blue with a few wispy white clouds. In the background, there are some trees and a small building. A date stamp '11/02/2016' is located in the bottom right corner of the image.

View of the vegetation along the levee crown and waterside.

LM Start	0.20	Rating **	M	Issue No.	12
LM End	0.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171565 °	39.171565 °
				-121.756293 °	-121.756293 °
DWR ID	DWR_ST0020_01_s_2017_12				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the pruning from the waterside slope.					

View of the prunings along the waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.23	Rating **	M	Issue No.	2
LM End	0.25	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171418 °	39.171408 °
				-121.755963 °	-121.755578 °
DWR ID	DWR_NA0020_01_s_2012_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove the cactus and pine trees from the waterside berm.					

Photo 1 of 2 : SP\_2017\_ST0020\_213\_2\_20170315\_00002.jpg



View of the cactus and pine trees along the waterside berm.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : SP\_2017\_ST0020\_213\_2\_20170315\_00003.jpg



Another view of the cactus and pine trees along the waterside berm.

LM Start	0.43	Rating **	M	Issue No.	14
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171422 °	39.171422 °
				-121.751978 °	-121.751978 °
DWR ID	DWR_ST0020_01_f_2016_14				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the waterside.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_14\_20170315\_00010.jpg



View of a fallen limb.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.45	Rating **	M	Issue No.	15
LM End	0.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171392 °	39.171392 °
				-121.751630 °	-121.751630 °
DWR ID	DWR_ST0020_01_f_2016_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_15\_20170315\_00011.jpg



View of the prunings along the landside toe.

LM Start	0.51	Rating **	M	Issue No.	25
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171392 °	39.171317 °
				-121.750478 °	-121.744545 °
DWR ID	DWR_ST0020_01_f_2016_25				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Olleanders are partially blocking visibility and access.					

No Photos

LM Start	0.59	Rating **	M	Issue No.	1
LM End	0.59	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171372 °	39.171372 °
				-121.750000 °	-121.750000 °
DWR ID	DWR_ST0020_01_f_2015_1				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the cactus tree from the waterside slope.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_1\_20170315\_00001.jpg



View of the cactus tree that has fallen on the waterside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.62	Rating **	U	Issue No.	4
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171292 °	39.171232 °
				-121.748868 °	-121.748175 °
DWR ID	DWR_NA0020_01_s_2012_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the concrete ditch.					

LM Start	<b>0.62</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2017\_ST0020\_213\_4\_20170315\_00004.jpg



View the erosion along the concrete ditch.

Photo 2 of 2 : SP\_2017\_ST0020\_213\_4\_20170315\_00005.jpg



Another view the erosion along the concrete ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.89	Rating **	M	Issue No.	26
LM End	0.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171317 °	39.171317 °
				-121.743474 °	-121.743474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51523 DS_ID:19417 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to have been abandoned. (DWR Sutter Yard- A Freitag)4/19/2016 Meter has been removed from the power box and the power lines have been disconnected from the pole and pump. Appears this crossing may have been abandoned.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe crosses over canal above crown elevation. Chain link enclosure on the landside (LS) with pump, power line, and shutoff valve. 24-inch concrete standpipe on unprotected side of canal. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 4/12/2017 10:54:51 AM					

LM Start	<b>0.89</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.89</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2017\_51523\_11344.jpg



Pump, meter, power pole, slide gate, and chainlink fence on LS with 24-inch concrete standpipe on unprotected side of canal.

Photo 2 of 2 : UCIP\_SP\_2017\_51523\_74963.jpg



Meter removed from box and disconnected power lines

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.94	Rating **	M	Issue No.	16
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171333 °	39.171333 °
				-121.742577 °	-121.741827 °
DWR ID	DWR_ST0020_01_f_2016_16				
Comment Code					
FE : Fence					
Inspector Comment					
Ask the landowner to remove the fence.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_16\_20170315\_00012.jpg



View of an unauthorized fence by a landowner.

LM Start	0.94	Rating **	M	Issue No.	17
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171333 °	39.171333 °
				-121.742577 °	-121.741827 °
DWR ID	DWR_ST0020_01_f_2016_17				
Comment Code					
CR : Crops					
Inspector Comment					
Ask the landowner to remove the nut trees.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_17\_20170315\_00013.jpg



View of the nut trees planted by a landowner.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.09	Rating **	M	Issue No.	27
LM End	1.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171301 °	39.171301 °
				-121.739799 °	-121.739799 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:51524  
DS\_ID:19434  
EP\_NO: 12746-1  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 4/10/2017 Overgrown vegetation blocking access to pipe. Could not be inspected. (DWR Sutter Yard-afreitag)10/11/2016 Crossing appears to be in good condition. Still no flapgate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition. Still no flapgate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)5/12/2015 Still no flap gate on pipe end but i believe the LS inlet is high enough to not allow water to flow through pipe. (DWR Sutter Yard - afreitag)11/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/12/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/4/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/15/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/16/2012 There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 2 feet below the crown. Steel deflector is located on the outlet visible on the waterside (WS). No flap gate installed as of April 2016. (Permit No. 12746, 1979 - Dan Garcia; named change and flap gate authorized under Permit No. 12746-1, 2016 - County of Sutter).  
FS Date: 4/12/2017 10:56:07 AM

Photo 1 of 1 : UCIP\_SP\_2017\_51524\_11345.jpg



Outlet in channel with steel deflector over pipe outlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.09	Rating **	M	Issue No.	28
LM End	1.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171296 °	39.171296 °
				-121.739779 °	-121.739779 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51525  
DS\_ID:20115  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 4/10/217 Overgrown vegetation was blocking access to this pipe. It was not inspected. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 New flapgate installed on WS pipe end.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe not permitted and has no flap gate.  
FIELD\_STRUCT\_DESC: 8-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Outlet visible on the waterside (WS). Unable to locate the inlet on the landside (LS). No permit has been identified since crossing was field discovered in 2012.  
FS Date: 4/12/2017 10:57:08 AM

LM Start	<b>1.09</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>1.09</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_51525\_64242.jpg



Pipe at outlet on WS crown.

Photo 2 of 2 : UCIP\_SP\_2017\_51525\_64400.jpg



Enter photo 2 description or comment here.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.11	Rating **	M	Issue No.	19
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171283 °	39.171283 °
				-121.739315 °	-121.739315 °
DWR ID	DWR_ST0020_01_f_2016_19				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_19\_20170315\_00015.jpg



View of the prunings along the landside toe.

LM Start	1.11	Rating **	M	Issue No.	18
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171283 °	39.171243 °
				-121.739315 °	-121.736312 °
DWR ID	DWR_ST0020_01_f_2016_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_18\_20170315\_00014.jpg



View of the trees blocking visibility.

LM Start	1.25	Rating **	M	Issue No.	20
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171237 °	39.171237 °
				-121.736803 °	-121.736803 °
DWR ID	DWR_ST0020_01_f_2016_20				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.26	Rating **	M	Issue No.	21
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171227 °	39.171227 °
				-121.736548 °	-121.736548 °
DWR ID	DWR_ST0020_01_f_2016_21				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_21\_20170315\_00016.jpg



View of the prunings along the landside toe.

LM Start	1.33	Rating **	M	Issue No.	22
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171218 °	39.171218 °
				-121.735258 °	-121.735258 °
DWR ID	DWR_ST0020_01_f_2016_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_22\_20170315\_00017.jpg



View of the erosion along the bank.

LM Start	1.36	Rating **	M	Issue No.	24
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171220 °	39.171220 °
				-121.734730 °	-121.734730 °
DWR ID	DWR_ST0020_01_f_2016_24				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_213\_24\_20170315\_00018.jpg



View of the erosion along the bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.65	Rating **	U	Issue No.	6
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171132 °	39.171132 °
				-121.729312 °	-121.729312 °
DWR ID	DWR_NA0020_01_s_2012_6				
Comment Code					
Inspector Comment					
Sutter Yard needs to repair the erosion before winter.					

LM Start	1.65	Rating **	U	Issue No.	6 (cont)
LM End	1.65	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2017\_ST0020\_213\_6\_20170315\_00008.jpg



Repair the erosion along the waterside slope.

Photo 2 of 2 : SP\_2017\_ST0020\_213\_6\_20170413\_00023.jpg



Repair the erosion along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

Waterway			Bank	Unit Miles
Unit No. 02 East Levee			Left	3.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2017 - 4/12/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171116 °	39.171101 °
				-121.726501 °	-121.721857 °
DWR ID	DWR_NA0020_02_s_2012_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_11\_20170315\_00010.jpg



View of the annual grass along the landside slope.

LM Start	0.03	Rating **	M	Issue No.	24
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171152°	39.171160°
				-121.725937°	-121.721673°
DWR ID	DWR_ST0020_02_f_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_24\_20170315\_00012.jpg



View of the annual grass along the waterside slope.

LM Start	0.25	Rating **	M	Issue No.	12
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171107 °	39.171107 °
				-121.722069 °	-121.722069 °
DWR ID	DWR_NA0020_02_s_2012_12				
Comment Code					
GA : Garbage					
Inspector Comment					
Tires					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_12\_20170315\_00011.jpg



View of the tires along the W/S toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.26	Rating **	M	Issue No.	9
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171101 °	39.171101 °
				-121.721856 °	-121.721856 °
DWR ID	DWR_NA0020_02_s_2012_9				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_9\_20170315\_00008.jpg



View of the debris along the landside toe.

LM Start	0.29	Rating **	M	Issue No.	31
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171008 °	39.171008 °
				-121.721025 °	-121.721025 °
DWR ID	DWR_ST0020_02_f_2016_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_31\_20170315\_00014.jpg



View of the overgrown trees blocking visibility and access.

LM Start	0.31	Rating **	M	Issue No.	32
LM End	0.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171050 °	39.171077 °
				-121.720542 °	-121.717735 °
DWR ID	DWR_ST0020_02_f_2016_32				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_32\_20170315\_00015.jpg



View of the firewood along the landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.39	Rating **	M	Issue No.	33
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171067 °	39.171067 °
				-121.719217 °	-121.719217 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51533  
DS\_ID:19425  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 4/10/2017 Abandoned. (DWR Sutter Yard - A Freitag) 10/11/2016 Abandoned crossing. (DWR Sutter Yard - a Freitag) 4/19/2016 Abandoned crossing. 5/12/2015 Abandoned crossing. 11/17/2014 Same as last inspection. 5/12/2014 Same as last inspection. 11/4/2013 Same as last inspection. 5/15/2013 Same as last inspection. 10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned.  
FIELD\_STRUCT\_DESC: 8-inch galvanized iron irrigation pipe through the levee, 2 feet below the crown. 7.5 Horsepower (HP) pump located in canal on the waterside (WS). [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, revision May 1953, page 11, Location Section 12, As-builts Drawing No. 50-10-2816.]  
FS Date: 4/12/2017 12:04:00 PM

LM Start	<b>0.39</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_51533\_11363.jpg



Pipe on LS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_51533\_11362.jpg



Pump platform on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.39	Rating **	M	Issue No.	33 (cont)
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171067 °	39.171067 °
				-121.719217 °	-121.719217 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51533 DS_ID:19425 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Abandoned. (DWR Sutter Yard-AFreitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard -afreitag)4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned. FIELD_STRUCT_DESC: 8-inch galvanized iron irrigation pipe through the levee, 2 feet below the crown. 7.5 Horsepower (HP) pump located in canal on the waterside (WS). [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, revision May 1953, page 11, Location Section 12, As-builts Drawing No. 50-10-2816.] FS Date: 4/12/2017 12:04:00 PM					

Photo 3 of 3 : UCIP\_SP\_2017\_51533\_11361.jpg



View of pipe from unprotected side of levee.

LM Start	0.53	Rating **	M	Issue No.	28
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171028 °	39.171028 °
				-121.716475 °	-121.716475 °
DWR ID	DWR_ST0020_02_s_2016_28				
Comment Code					
DE : Debris					
Inspector Comment					
Tires and tree clippings on w/s crown.					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_28\_20170315\_00013.jpg



View of the tires along the waterside berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	2
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171002°	39.170770°
				-121.716293°	-121.699987°
DWR ID	DWR_NA0020_02_s_2012_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the vegetation from landside slopes.					

Photo 1 of 2 : SP\_2017\_ST0020\_214\_2\_20170413\_00045.jpg



View of the vegetation on landside slope.

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.42</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_ST0020\_214\_2\_20170315\_00001.jpg



View of the vegetation on both slopes.

LM Start	0.65	Rating **	M	Issue No.	29	
LM End	0.65	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.171033 °		39.171033 °
				-121.714398 °		-121.714398 °
DWR ID	DWR_ST0020_02_s_2016_29					
Comment Code						
DE : Debris						
Inspector Comment						
Mattress and tree clippings on landside.						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.68	Rating **	M	Issue No.	22
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170967 °	39.170458 °
				-121.713828 °	-121.698500 °
DWR ID	DWR_ST0020_02_s_2017_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the vegetation from the waterside slope.					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_22\_20170413\_00046.jpg



View of the vegetation on the waterside slope.

LM Start	0.74	Rating **	M	Issue No.	34
LM End	0.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170989 °	39.170989 °
				-121.712650 °	-121.712650 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51534 DS_ID:19426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Abandoned. (DWR Sutter Yard-AFreitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 12-inch galvanized iron irrigation pipe through the levee 6 feet below the crown. 10 Horsepower (HP) pump in the canal and power pole located on the waterside (WS). 36-inch concrete standpipe located on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, May 1953, page 11, Location Section 19, As-builts Drawing No. 50-10-2816] FS Date: 4/12/2017 12:04:36 PM					

Photo 1 of 3 : UCIP\_SP\_2017\_51534\_11391.jpg



Concrete standpipe on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.74	Rating **	M	Issue No.	34 (cont)	
LM End	0.74	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.170989 °	39.170989 °	
				-121.712650 °	-121.712650 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51534 DS_ID:19426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Abandoned. (DWR Sutter Yard-AFreitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard -afreitag)4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 12-inch galvanized iron irrigation pipe through the levee 6 feet below the crown. 10 Horsepower (HP) pump in the canal and power pole located on the waterside (WS). 36-inch concrete standpipe located on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, May 1953, page 11, Location Section 19, As-builts Drawing No. 50-10-2816] FS Date: 4/12/2017 12:04:36 PM						

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_51534\_11390.jpg



Powerpole on WS shoulder.

Photo 3 of 3 : UCIP\_SP\_2017\_51534\_11389.jpg



Concrete base along WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170782 °	39.170865 °
				-121.700167 °	-121.698165 °
DWR ID	DWR_NA0020_02_s_2012_3				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the broken concrete.					

LM Start	<b>1.43</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.52</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2017\_ST0020\_214\_3\_20170315\_00002.jpg



View of the piles of broken concrete.

Photo 2 of 2 : SP\_2017\_ST0020\_214\_3\_20170315\_00003.jpg



View of the pile of broken concrete.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.54	Rating **	M	Issue No.	35
LM End	1.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51539 DS_ID:19423 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 LS inlet is buried, WS pipe outlet is overgrown wiht the flapgate being the only thing that is barely visible. (DWR Sutter Yard- AFreitag)10/11/2016 LS inlet is buried and WS flapgate is overgrown with blackberries.(DWR Sutter Yard - afreitag)4/19/2016 WS flapgate is completely overgrown with blackberries. 5/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate.LS intake is filled and blocked with soil.11/17/2014 Ws outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 16-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate located on the waterside (WS) end. Landside (LS) inlet filled and blocked with soil 2012. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 4/12/2017 12:07:34 PM					

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>1.54</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_51539\_11406.jpg



Pipe with flapgate at outlet on WS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_51539\_11405.jpg



Buried inlet 30 feet from LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.54	Rating **	M	Issue No.	35 (cont)	
LM End	1.54	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.170847 °	39.170847 °	
				-121.697888 °	-121.697888 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51539 DS_ID:19423 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 LS inlet is buried, WS pipe outlet is overgrown wiht the flapgate being the only thing that is barely visible. (DWR Sutter Yard- AFreitag)10/11/2016 LS inlet is buried and WS flapgate is overgrown with blackberries.(DWR Sutter Yard - afreitag)4/19/2016 WS flapgate is completely overgrown with blackberries. 5/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate.LS intake is filled and blocked with soil.11/17/2014 Ws outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 16-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate located on the waterside (WS) end. Landside (LS) inlet filled and blocked with soil 2012. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 4/12/2017 12:07:34 PM						

Photo 3 of 3 : UCIP\_SP\_2017\_51539\_74966.jpg



WS flapgate overgrown by blackberries

LM Start	1.54	Rating **	M	Issue No.	4
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170800 °	39.170732 °
				-121.698105 °	-121.689082 °
DWR ID	DWR_NA0020_02_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

Photo 1 of 2 : SP\_2017\_ST0020\_214\_4\_20170315\_00004.jpg



View of the erosion along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.54	Rating **	M	Issue No.	4 (cont)	
LM End	2.01	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.170800 °		39.170732 °
				-121.698105 °		-121.689082 °
DWR ID	DWR_NA0020_02_s_2012_4					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Monitor the erosion along the waterside slope.						

Photo 2 of 2 : SP\_2017\_ST0020\_214\_4\_20170315\_00005.jpg



View of the erosion along the waterside slope.

LM Start	1.74	Rating **	M	Issue No.	36
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51541 DS_ID:20119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee, 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:28:21 PM					

Photo 1 of 2 : UCIP\_SP\_2017\_51541\_14335.jpg



pipe with flap gate on WS shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	36 (cont)	
LM End	1.74	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.170832 °	39.170832 °	
				-121.694174 °	-121.694174 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51541						
DS_ID:20119						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 4/10/2017 Crossing appears to be in good condition.						
(DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in						
good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing						
appears to be in good condition.5/12/2015 Crossing appears in good						
condition. No noticeable issues to report.11/17/2014 Same as last						
inspection.5/12/2014 Same as last inspection.11/4/2013 Same as						
last inspection.5/15/2013 Same as last inspection.10/16/2012 No						
permit identified for crossing.						
FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the						
levee, 1 foot below the crown. Flap gate located on the waterside (WS)						
with concrete headwall block on the landside (LS). No permit has been						
identified since crossing was field discovered in 2012.						
FS Date: 4/12/2017 12:28:21 PM						

Photo 2 of 2 : UCIP\_SP\_2017\_51541\_14334.jpg



Concrete headwall on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	37
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51542					
DS_ID:20122					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/10/2017 Crossing appears to be in good condition.					
(DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in					
good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing					
appears to be in good condition.5/12/2015 Crossing appears in good					
condition. No noticeable issues to report.11/17/2014 Same as last					
inspection.5/12/2014 Same as last inspection.11/4/2013 Same as					
last inspection.5/15/2013 Same as last inspection.10/16/2012 No					
permit identified for crossing.					
FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene					
(HDPE) drainage pipe through the levee, 1 foot below the crown. No					
permit has been identified since crossing was field discovered in 2012.					
FS Date: 4/12/2017 12:29:06 PM					

Photo 1 of 1 : UCIP\_SP\_2017\_51542\_14341.jpg



HDPE pipe on upstream side of aluminum pipe shown in picture.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

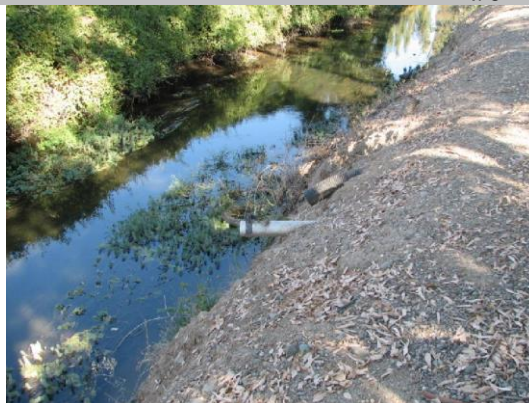
**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	38
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51543					
DS_ID:20120					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/10/2017 Crossing appears to be in good condition.					
(DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in					
good condition. (DWR Sutter Yard - afreitag)4/19/2016 Crossing					
appears to be in good condition.5/12/2015 Crossing appears in good					
condition. No noticeable issues to report.11/17/2014 Same as last					
inspection.5/12/2014 Same as last inspection.11/4/2013 Same as					
last inspection.5/15/2013 Same as last inspection.10/16/2012 No					
permit identified for crossing.					
FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the					
levee, 1 foot below the crown. Flap gate located on the waterside (WS)					
with concrete headwall block on the landside (LS). No permit has been					
identified since crossing was field discovered in 2012.					
FS Date: 4/12/2017 12:30:05 PM					

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2017\_51543\_14339.jpg



Pipe and flap gate on WS shoulder.

Photo 2 of 2 : UCIP\_SP\_2017\_51543\_14338.jpg



Concrete headwall on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	39
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51544 DS_ID:20121 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:30:51 PM					

Photo 1 of 1 : UCIP\_SP\_2017\_51544\_14340.jpg



HDPE pipe on WS shoulder.

LM Start	1.92	Rating **	M	Issue No.	5
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171104 °	39.171104 °
				-121.718880 °	-121.718876 °
DWR ID	DWR_NA0020_02_s_2012_5				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_5\_20170315\_00006.jpg



View of the equipment and buildings next to the landside berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.93	Rating **	M	Issue No.	40
LM End	1.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170771 °	39.170771 °
				-121.690631 °	-121.690631 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51546  
DS\_ID:20123  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 4/10/2017 Crossing appears to be in good condition.  
(DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.  
(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.  
5/12/2015 Crossing appears in good condition. No noticeable issues to report.  
11/17/2014 Same as last inspection.  
5/12/2014 Same as last inspection.  
5/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion.  
5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet.  
11/4/2013 Same as last inspection.  
10/16/2012 No permit identified for crossing.  
FIELD\_STRUCT\_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown.  
Signage for crossing is visible on the landside (LS) shoulder. Outlet visible on the waterside (WS) shoulder. No permit has been identified since crossing was field discovered in 2012.  
FS Date: 4/12/2017 12:32:05 PM

LM Start	<b>1.93</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>1.93</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_51546\_21743.jpg



Inlet and signage for crossing on LS shoulder.

Photo 2 of 3 : UCIP\_SP\_2017\_51546\_21742.jpg



Outlet for crossing on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.93	Rating **	M	Issue No.	40 (cont)	
LM End	1.93	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.170771 °	39.170771 °	
				-121.690631 °	-121.690631 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51546 DS_ID:20123 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion.5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet.11/4/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. Signage for crossing is visible on the landside (LS) shoulder. Outlet visible on the waterside (WS) shoulder. No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:32:05 PM						

Photo 3 of 3 : UCIP\_SP\_2017\_51546\_21744.jpg



Pipe end with grate on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.97	Rating **	M	Issue No.	41
LM End	1.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170754 °	39.170754 °
				-121.689815 °	-121.689815 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51547 DS_ID:20124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion.5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. Pipe visible on the waterside (WS) shoulder. Intake with grate visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:32:52 PM					

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_51547\_21749.jpg



Pipe on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2017\_51547\_21748.jpg



Pipe on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.97	Rating **	M	Issue No.	41 (cont)	
LM End	1.97	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.170754 °		39.170754 °
				-121.689815 °		-121.689815 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51547 DS_ID:20124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion.5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. Pipe visible on the waterside (WS) shoulder. Intake with grate visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:32:52 PM						

Photo 3 of 3 : UCIP\_SP\_2017\_51547\_21750.jpg



LS intake with grate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.03	Rating **	M	Issue No.	42
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688572 °	-121.688572 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51549 DS_ID:20125 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: Steel fiber optic conduit through the levee at an unknown depth below the crown. Crossing is located on the east side of Township road bridge. Marker visible on east side of N. Township Drive, south of interceptor. Owner is Pacific and their contact number is 1-877-735-7366. No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:34:38 PM					

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_51549\_14369.jpg



Marker on east side of N Township Drive, south of interceptor.

Photo 2 of 2 : UCIP\_SP\_2017\_51549\_14368.jpg



Closeup of marker.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.03	Rating **	M	Issue No.	43
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688566 °	-121.688566 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51550 DS_ID:20126 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: Steel gas line crossing through the levee at an unknown depth below the crown. Sign visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:35:53 PM					

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_51550\_14367.jpg



Gasline marker on east side of N Township Road south of interceptor

Photo 2 of 3 : UCIP\_SP\_2017\_51550\_14366.jpg



Gasline marker on east side of N Township Road North of interceptor

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.03	Rating **	M	Issue No.	43 (cont)
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688566 °	-121.688566 °
DWR ID					

Photo 3 of 3 : UCIP\_SP\_2017\_51550\_14365.jpg



gasline marker.

Comment Code					
Inspector Comment					
FS_ID:51550 DS_ID:20126 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition. 5/12/2015 Crossing appears in good condition. No noticeable issues to report. 11/17/2014 Same as last inspection. 5/12/2014 Same as last inspection. 11/4/2013 Same as last inspection. 5/15/2013 Same as last inspection. 10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: Steel gas line crossing through the levee at an unknown depth below the crown. Sign visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:35:53 PM					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

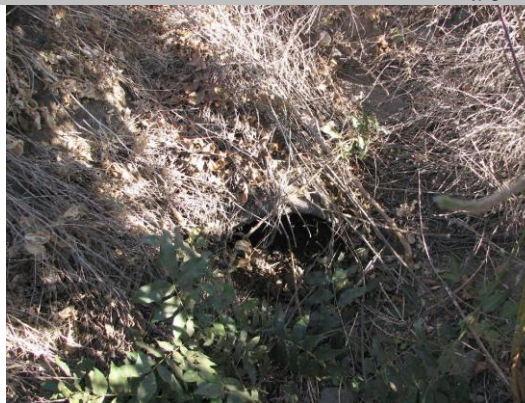
**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.05	Rating **	M	Issue No.	44
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170639 °	39.170639 °
				-121.688445 °	-121.688445 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51551 DS_ID:20127 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Blackberries around the WS pipe outlet were sprayed and killed. Pipe appears to be in good condition. (DWR Sutter Yard- A Freitag)10/11/2016 WS flap gate is being overgrown by blackberries that could possibly hinder its operation. They should be sprayed and cleared back.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate is located on the waterside (WS). Pipe is visible on the landside (LS) toe. No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:36:34 PM					

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>2.05</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_51551\_14374.jpg



Pipe on LS toe.

Photo 2 of 3 : UCIP\_SP\_2017\_51551\_14373.jpg



Location of pipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.05	Rating **	M	Issue No.	44 (cont)	
LM End	2.05	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.170639 °	39.170639 °	
				-121.688445 °	-121.688445 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51551 DS_ID:20127 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Blackberries around the WS pipe outlet were sprayed and killed. Pipe appears to be in good condition. (DWR Sutter Yard- A Freitag) 10/11/2016 WS flap gate is being overgrown by blackberries that could possibly hinder its operation. They should be sprayed and cleared back.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate is located on the waterside (WS). Pipe is visible on the landside (LS) toe. No permit has been identified since crossing was field discovered in 2012. FS Date: 4/12/2017 12:36:34 PM						

Photo 3 of 3 : UCIP\_SP\_2017\_51551\_14372.jpg



Flap gate on WS slope.

LM Start	2.11	Rating **	C	Issue No.	6
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170515 °	39.170518 °
				-121.687342 °	-121.682658 °
DWR ID	DWR_ST0020_02_f_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The vegetation was removed from the landside slope.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.52	Rating **	M	Issue No.	23
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170558 °	39.170615 °
				-121.679700 °	-121.670335 °
DWR ID	DWR_ST0020_02_s _ 2017_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.71	Rating **	M	Issue No.	10
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170548 °	39.170548 °
				-121.675970 °	-121.675970 °
DWR ID	DWR_NA0020_02_s _ 2012_10				
Comment Code					
MA : Material					
Inspector Comment					
Remove the lumber, garbage and equipment from the landside toe.					

Photo 1 of 1 : SP\_2017\_ST0020\_214\_10\_20170315\_00009.jpg



View of the material, garbage, and equipment along the landside toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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